

# USCMS Engineer Status Report for January 2003

Shahzad Muzaffar

February 6, 2004

## 1 Work Performed This Month

- Prepared following CMS Projects releases: - IGUANA: IGUANA\_4.5.0, IGUANA\_4.5.1, IGUANA\_4.6.0
  - IGNOMINY: IGNOMINY\_1.3.0, IGNOMINY\_1.4.0
  - OSCAR: OSCAR\_2.4.6
  - IGUANACMS: IGUANACMS\_1.3.0, IGUANACMS\_1.3.1, IGUANACMS\_1.4.0
- Fixed the near and far clip plane problem in IGUANA. Now objects in the scene are no longer prematurely clipped when zooming on the view.
- Created a new IgSoClipPlane class which is now in use in IGUANA, This new clip plane help us viewing the interiors of the objects when clips or slicers are ON.
- Fixed the slicers and now they are symmetrically around centre positions i.e one at the thickness/2 and other at -thickness/2.
- Fixed the IGNOMINY/toolchecker to check run only from a development area.
- Ran toolcheck on CMS projects and find some inconsistency b/w tools, suggestions are made to the configuration manager fix the configuration.
- Wrote new scripts to create RPMs for CMS software distribution. Now its very easy to generate RPMs for any SCRAM base CMs project. Only one command to run and it will generate RPMs for all the external tools used by that CMs project + RPMs for the project itself.
- Tested the Generated RPM on CERN and FNAL machines and those are working properly.

- Help Manoj for IGUANA and IGUANACMS installation in India which they have used in CMS softwares tutorial session at Delhi.
- Working of gl2ps (Vector Postscript printing) to print Market sets(which are basically image maps).

## 2 Status of Deliverables

- Printing on Market set is almost finished and hopefully next release of IGUANA will have it.
- Working on next release of IGUANA, IGUANACMS and IGNOMINY. IGNOMINY is almost there and as soon as new CMs configuration is available, we are in position to release the next release.

## 3 Plans For Next Month

- Plan to release IGUANA\_4.7.0, IGUANACMS\_1.5.0 and IGNOMINY\_1.5.0
  - Provide IGNOMINY configurations for IGUANACMS
  - Planing to add a new Control Centre Category in IGUANA Control Centre for printing, so after having this category user can have the access to different options passed to gl2ps, e.g. printing of back ground, enable line spacing etc.
  - Will try to integrate RPM creation script in the CMS projects so that after an official project release each project can run it to generate RPMs.
  - Integrate the Marker set printing in gl2ps
  - Will provide support to OSCAR for configuration and releases.